L1   ANSWER 1 OF 1   WPIDS (C) 2003 THOMSON DERWENT
ACCESSION NUMBER: 1991-227681 [31]   WPIDS
DOC. NO. CPI: C1991-099176
TITLE: New DNA and the DNA containing plasmid - which can function
                        as promoter in corynebacterium cells.
DERWENT CLASS: B04 D16
PATENT ASSIGNEE(S):   (MITP) MITSUBISHI PETROCHEMICAL CO LTD
COUNTRY COUNT: 1
PATENT INFORMATION:

        PATENT NO   KIND DATE   WEEK   LA   PG MAIN IPC

        JP 03147792   A   19910624 (199131)*   <--

APPLICATION DETAILS:

        PATENT NO   KIND   APPLICATION   DATE

        JP 03147792   A   JP 1989-282873   19891101

PRIORITY APPLN. INFO: JP 1989-282873   19891101
INT. PATENT CLASSIF.: C12N001-21; C12N015-77; C12R001-13
BASIC ABSTRACT:

        JP   03147792 A UPAB: 19930928
        The claimed DNA fragment (c), which functions as a promoter in
        Corynebacterium cells, has base sequence (a) shown as TAGACA, and (b) a
        base sequence (b) shown as TATAAT at 15-20 base sequence downstream of
        base sequence (a). Also claimed is an autonomously proliferable plasmid in
        Corynebacterium cells which contains the DNA fragment (c) and an
        expression gene containing a DNA fragment (d) directly connected downstream
of
        DNA fragment (c).
             The plasmid is derived from plasmid pBY503 which is autonomously
        proliferable in Corynebacterium cells. Gene (d) is that which codes
        enzyme, protein or peptide.
             USE/ADVANTAGE - By creating DNA fragment (c) and integrating the DNA
        fragment (c) to a promoter detecting vector plasmid, then by introducing
        the vector plasmid in Corynebacterium cells, the DNA fragment (c) can
        function as a promoter in Corynebacterium cells.
             In an example, as basic plasmid, pHSG298 was used. It was cleavaged
        by HindIII and ligated with DNA fragment (d). Next, this was cleavaged by
        KpnI and ligated with DNA fragment derived from pBY503 plasmid to create a
        promoter detecting vector plasmid. This was cleavaged by BamHI, and
        synthetic DNA fragment (c) was ligated to construct this invention's
        plasmid. As an introducing host Brevibacterium flavum MJ-233 derived
        strain was used. Plasmid pBY502 was deleted by repeating the subculture.
        0/0
FILE SEGMENT: CPI
FIELD AVAILABILITY: AB
MANUAL CODES: CPI: B04-B04A1; D05-C03; D05-C13; D05-H12